

ABSTRACT

Continuous molding process utilizing mass flow continuous mixing of wet mix components and molding compression along one axis, in both positive and negative directions thereof, utilizing an apparatus having raw material supplying portions, raw material accepting portions, a mixing portion, a molding portion, a supporting portion, and ram portions for moving mixture through the apparatus. The molding portion is formed by portions of the supporting frame and mold faces of the ram portions, which act in concert to load, compress, transport, and deliver the molded product. Charge volume is determined by the controlled distance between front and rear ram portions when in position under the raw material supplying portion. The molded material receives the compression force along the positive and negative directions of the horizontal axis on its wear faces. The continuous nature of the process allows unlimited production runs and eliminates the need for either steam curing or firing of the product subsequent to molding.

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